

# IMVITER

## Implementation of virtual testing in safety regulations



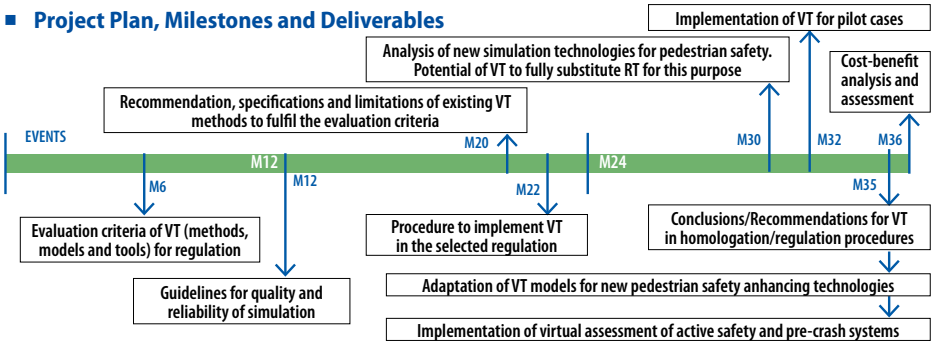
### Motivation and Objectives

The release of a vehicle to the market still depends on the verification of the product compliance with safety standards through a series of type approval physical or real tests (RT).

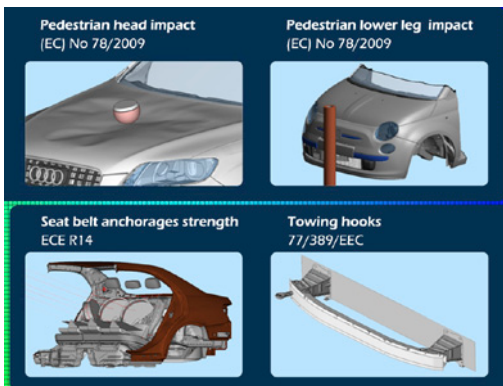
IMVITER aims to increase car industry competitiveness by reducing the burden of the current RT based type approval system, and to improve road safety by raising the quality level of protection measures by progressing the introduction of Virtual Tests (VT), i.e. numerical simulation. IMVITER's objectives are:

- Implementation of VT in existing type approval system by consolidation of advanced simulation technologies,
- Development of showcase procedures of VT implementation, substituting RT in particular type approval regulatory acts,
- Investigation of the possibility to transfer the new VT implementation process in order to assess new advanced safety systems (active and pre-crash safety systems).

### Project Plan, Milestones and Deliverables



### Technical Approach

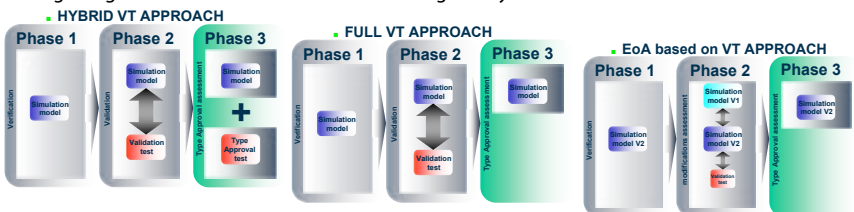


To work out recommendations for the implementation of VT in existing type approval regulatory acts, through a detailed development and deployment of every step in four showcases, integrating the necessary new procedures in the already RT based existing schemes.



### Achievements

- Definition and implementation of a general procedure (flowchart) applicable to the four pilot cases.
- Integrating new VT activities in the addressed regulatory acts.



Budget	4.8 M€	Funding	3.2 M€
Duration	36 months	Start	April 2009
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Partners	15 partners, among them Audi, Daimler, Opel, Renault		
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